

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number 10/055,245
 Filing Date January 22, 2002
 First Named Inventor Mitchell W. MUTZ et al.
 Art Unit 2861
 Examiner Name Unassigned
 Attorney Docket Number 7610-0001.22

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
Y6	DH	2002/0037359	3/28/02	Mutz et al.			
	DI	2002/0061258	5/23/02	Mutz et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
Y6	DJ	EP 0913507 A1	5/6/99	Europe			
	DK	WO 00/78445 A1	12/28/00	PCT			

RECEIVED
 SEP 25 2002
 TECHNOLOGY CENTER 2800

Examiner Signature	Yelene Hale	Date Considered	11/24/03
--------------------	-------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

JUN 28 2002

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/055,245
Filing Date	January 22, 2002
First Named Inventor	Mitchell W. MUTZ et al.
Art Unit	2861
Examiner Name	Unassigned
Attorney Docket Number	7610-0001.22

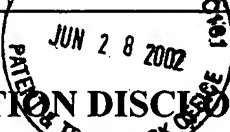
Sheet	1	of	3
-------	---	----	---

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
YE	AA	Serial No. 09/727,392	Filed 11/29/00	Mutz et al.			
	AB	4,308,547	12/29/81	Lovelady et al.			
	AC	4,697,195	9/29/87	Quate et al.			
	AD	4,719,476	1/12/88	Elrod et al.			
	AE	4,751,529	6/14/88	Elrod et al.			
	AF	4,751,530	6/14/88	Elrod et al.			
	AG	4,751,534	6/14/88	Elrod et al.			
	AH	4,797,693	1/10/89	Quate			
	AI	4,801,953	1/31/89	Quate			
	AJ	4,959,674	9/25/90	Khri-Yakub et al.			
	AK	5,041,849	8/20/91	Quate et al.			
	AL	5,087,931	2/11/92	Rawson			
	AM	5,122,818	6/16/92	Elrod et al.			
	AN	5,216,451	6/1/93	Rawson et al.			
	AO	5,229,016	7/20/93	Hayes et al.			
	AP	5,229,793	7/20/93	Hadimioglu et al.			
	AQ	5,231,426	7/27/93	Sweet			
	AR	5,339,101	8/16/94	Rawson et al.			
	AS	5,377,902	1/3/95	Hayes			
	AT	5,392,064	2/21/95	Hadimioglu et al.			
	AU	5,415,679	5/16/95	Wallace			
	AV	5,436,327	7/25/95	Southern et al.			
	AW	5,498,444	3/12/96	Hayes			
	AX	5,520,715	5/28/96	Oeftering			
	AY	5,556,752	9/17/96	Lockhart et al.			
	AZ	5,591,490	1/7/97	Quate			
	BA	5,608,433	3/4/97	Quate			
	BB	5,629,724	5/13/97	Elrod et al.			
	BC	5,631,678	5/20/97	Hadimioglu et al.			
	BD	5,643,353	7/1/97	Wallace et al.			
	BE	5,658,802	8/19/97	Hayes et al.			
	BF	5,669,971	9/23/97	Bok et al.			
	BG	5,722,479	3/3/98	Oeftering			
	BH	5,744,305	4/28/98	Fodor et al.			
	BI	5,798,779	8/25/98	Nakayasu et al.			
	BJ	5,808,636	9/15/98	Stearns			
	BK	5,959,297	9/28/99	Weinberg et al.			
	BL	5,985,356	11/16/99	Schultz et al.			
	BM	6,004,617	12/21/99	Schultz et al.			
	BN	6,010,316	1/4/00	Haller et al.			
	BO	6,015,880	1/18/00	Baldeschwieler et al.			
	BP	6,028,189	2/22/00	Blanchard			
	BQ	6,029,896	2/29/00	Self et al.			

Examiner Signature	<i>Yellu Hal</i>	Date Considered	11/24/03
--------------------	------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO			<div style="text-align: center;">  </div>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/055,245	
			Filing Date	January 22, 2002	
			First Named Inventor	Mitchell W. MUTZ et al.	
			Art Unit	2861	
			Examiner Name	Unassigned	
Sheet	2	of	3	Attorney Docket Number	7610-0001.22

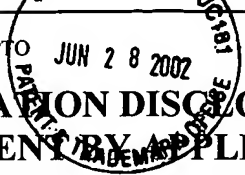
U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
Y6	BR	6,030,917	2/29/00	Weinberg et al.			
	BS	6,034,775	3/7/00	McFarland et al.			
	BT	6,045,671	4/4/00	Wu et al.			
	BU	6,087,181	7/11/00	Cong			
	BV	6,187,164	2/13/01	Warren et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
	BW	WO 00/60345	10/12/00	PCT			

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
Y6	BX	Allegra et al. (1972), "Attenuation of Sound in Suspensions and Emulsions: Theory and Experiments," <i>The Journal of the Acoustical Society of America</i> 51(5):1545-1564.	
	BY	Calzolari et al. (2000), "NMR Structures of Three Single-Residue Variants of the Human Prion Protein," <i>Proc. Natl. Acad. Sci. USA</i> 97(15):8340-8345.	
	BZ	Chayen et al. (1990), "An Automated System for Micro-Batch Protein Crystallization and Screening," <i>J. Appl. Cryst.</i> 23:297-302.	
	CA	Chayen (1997), "A Novel Technique to Control the Rate of Vapour Diffusion, Giving Larger Protein Crystals," <i>J. Appl. Cryst.</i> 30:198-202.	
	CB	Creighton (1993), <i>Proteins</i> , 2 nd Edition, W.H. Freeman, pp. 171-260.	
	CC	D'Arcy et al. (1996), "A Novel Approach to Crystallising Proteins Under Oil," <i>Journal of Crystal Growth</i> 168:175-180.	
	CD	Elrod et al. (1989), "Nozzleless Droplet Formation with Focused Acoustic Beams," <i>J. Appl. Phys.</i> 65(9):3441-3447.	
	CE	Hadimioglu et al. (1992), "Acoustic Ink Printing," <i>Ultrasonics Symposium</i> , pp. 929-935.	
	CF	Jackson et al. (1999), "Multiple Folding Pathways for Heterologously Expressed Human Prion Protein," <i>Biochimica et Biophysica Acta</i> 1431:1-13.	
	CG	Jordan et al. (1985), "Systematic Variation in DNA Length Yields Highly Ordered Repressor-Operator Cocystals," <i>Science</i> 230:1383-1385.	
	CH	Kendrew et al. (1956), "The Crystal Structure of Myoglobin III. Sperm-Whale Myoglobin," <i>Proc. R. Soc. Lond. A</i> 238:305-324.	
	CI	Klug et al. (1995), "Zinc Fingers" <i>The FASEB Journal</i> 9:597-604.	
	CJ	Lorber et al. (1996), "Containerless Protein Crystallization in Floating Drops: Application to Crystal Growth Monitoring Under Reduced Nucleation Conditions," <i>Journal of Crystal Growth</i> 168:204-215.	
	CK	MacBeath et al. (2000), "Printing Proteins as Microarrays for High-Throughput Function Determination," <i>Science</i> 289:1760-1763.	
	CL	McRae (1999), <i>Practical Protein Crystallography</i> , 2 nd Edition, Academic Press, pp. 1-17 and 145-161.	
	CM	Michel et al. (1980), "Three-Dimensional Crystals of Membrane Proteins: Bacteriorhodopsin," <i>Proc. Natl. Acad. Sci. USA</i> 77(3):1283-1285.	
	CN	Moates et al. (1996), "Infrared Thermographic Screening of Combinatorial Libraries of Heterogeneous Catalysts," <i>Ind. Eng. Chem. Res.</i> 35:4801-4803.	
	CO	Stevens (2000), "High-Throughput Protein Crystallization," <i>Curr. Opin. Struct. Biol.</i> 10:558-563.	

Examiner Signature	<i>Yelene Yak</i>	Date Considered	11/24/03
--------------------	-------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO			<div style="text-align: center;">  </div>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/055,245	
			Filing Date	January 22, 2002	
			First Named Inventor	Mitchell W. MUTZ et al.	
			Art Unit	2861	
			Examiner Name	Unassigned	
Sheet	3	of	3	Attorney Docket Number	7610-0001.22

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Y6	CP	Stura et al. (1994), "Reverse Screening," <i>Acta Crystallogr.</i> D50:448-455.		
Y6	CQ	Theriault et al. (1999), "Application of Ink-jet Printing Technology to the Manufacture of Molecular Arrays," <i>DNA Microarrays, A Practical Approach</i> , Ed. M. Schena, Chapter 6 (Oxford University Press).		
↓	CR	Zahn et al. (2000), "NMR Solution Structure of the Human Prion Protein," <i>Proc. Natl. Acad. Sci. USA</i> 97(1):145-150.		

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
Y6	CS	Serial No. 09/669,194		Ellson et al.			9/25/00
Y6	CT	Serial No. 09/669,267		Ellson			9/25/00
↓	CU	Serial No. 09/669,996		Ellson et al.			9/25/00
↓	CV	Serial No. 09/669,997		Mutz et al.			9/25/00
↓	CW	2002/0037579	3/28/02	Ellson et al.			9/25/01
↓	CX	5,143,854	9/1/92	Pirung et al.			
↓	CY	5,405,783	4/11/95	Pirung et al.			
↓	CZ	5,445,934	8/29/95	Fodor et al.			
↓	DA	5,700,637	12/23/97	Southern			
↓	DB	6,007,183	12/28/99	Horine			
↓	DC	6,054,270	4/25/00	Southern			

FOREIGN PATENT DOCUMENT							
Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
Y6	DD	WO 90/15070	12/13/90	PCT			

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Y6	DE	Amemiya et al. (1997), <i>Proceedings of the 1997 IS&T's NIP 13: 1997 International Conference on Digital Printing Technologies</i> , pp. 698-702.		
↓	DF	IUPAC-IUB Commission on Biochemical Nomenclature (CBN) (1970), "Abbreviations and Symbols for Nucleic Acids, Polynucleotides and Their Constituents," <i>Biochemistry</i> 9(20):4022-4025.		
↓	DG	Steel et al. (2000), "The Flow-Thru Chip™: A Three-Dimensional Biochip Platform," <i>Microarray Biochip Technology</i> , Chapter 5, pp. 87-117, BioTechniques Books, Natick, MA.		

Examiner Signature		Date Considered	4/24/03
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.